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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/686,253	10/16/2003	10/16/2003 Pierre Bouley		1892
6160	7590 08/24/2004		EXAM	INER
	T & WENDEL, L.L.P.	TA, THO DAC		
1421 PRINCE SUITE 210	SIREEI		ART UNIT	PAPER NUMBER
ALEXANDRI	A, VA 22314-2805	2833		
			DATE MAILED: 08/24/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
	10/686,253	BOULEY ET AL.						
Office Action Summary	Examiner	Art Unit	1					
	Tho D. Ta	2833						
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timel the mailing date of this co D (35 U.S.C. § 133).						
Status								
2a)⊠ This action is FINAL. 2b)☐ This 3)☐ Since this application is in condition for allowar	1)⊠ Responsive to communication(s) filed on <u>14 June 2004</u> .  2a)⊠ This action is FINAL. 2b)□ This action is non-final.							
Disposition of Claims								
4) Claim(s) 1-8 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 1-3 and 8 is/are rejected.  7) Claim(s) 4-7 is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.								
Application Papers								
9) The specification is objected to by the Examine  10) The drawing(s) filed on is/are: a) accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correct  11) The oath or declaration is objected to by the Examine	epted or b) objected to by the liderawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 C						
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National	Stage					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  S. Patent and Trademark Office	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate atent Application (PT)						

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### **DETAILED ACTION**

# Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-3, 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Yano (6,464,545).

In regard to claim 1, Yano discloses an elastic connection terminal for an electric device, the device comprising a conducting part (42) located at one end thereof and comprising a support strip (see attached drawing) having a front-face and a back face comprising a connection region (adjacent 46), the terminal for being fastened to the support strip and comprising: an elastic loop (27a) provided with a fitting arm (see attached drawing), a cable clamping arm (see attached drawing) and a bent part (see attached drawing) connecting the fitting arm and the clamping arm, the fitting arm for abutting the front of the support strip of the electric device and being in contact with the conducting part (42) of the electric device, the clamping arm having a window (48) for clamping a cable (74) between the back face of the support strip and an edge of the window (48), and, an auxiliary part (11) for stopping one end of the cable (74) inserted into the terminal, wherein the auxiliary part (11) is brought into contact with the back

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face of the support strip (2b) and comprises at least one attachment element (26', see attached drawing) gripping a region of the support strip, thereby joining with such a conducting part (42).

In regard to claim 2, Yano discloses that the auxiliary part (11) comprises cable guide panels (side walls perpendicular to fitting arm of support strip), the panels for extending as far as the connection region (adjacent 46) of the support strip and comprising attachment elements (26, 26' see attached drawing) located adjacent such a connection region.

In regard to claim 3, Yano discloses that the auxiliary part (11) further comprises a back wall (see attached drawing), wherein the guide panels are for abutting a support strip together with the back wall-to define an individual compartment for each cable, each compartment being electrically isolated from the adjacent compartment.

In regard to claim 8, Yano discloses that the auxiliary part (11) comprises at least one stop (see attached drawing) cooperating with a stop face (see attached drawing) of a housing 50.

# Allowable Subject Matter

3. Claims 4-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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The following is a statement of reasons for the indication of allowable subject matter: In regard to claim 4, the prior art fails to provide, teach or suggest the guide panels each have an end portion having a profile for slidingly receiving the clamping arm. In regard to claim 5, the prior art fails to provide, teach or suggest the conducting part is provided with a slit and that the bottom of the auxiliary part is provided with an assembly tongue. In regard to claim 7, the prior art fails to provide, teach or suggest that the protective part being independent of the auxiliary part; and in combination with all of the limitations of the base claim and any intervening claims (it is not obvious to combine references 6,283,801 with 5,879,204).

## Response to Arguments

5. Applicant's arguments with respect to claims 1-3 and 8 have been considered but are most in view of the new ground(s) of rejection.

### Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho D. Ta whose telephone number is (571) 272-2014. The examiner can normally be reached on M-F (8:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status-of-an-application-may-be-obtained-from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tdt 08/20/04

THO D. TA
PRIMARY EXAMINER

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US006464545B2

# (12) United States Patent

10 (45)

(10)	Patent	No.:	US (
	-		

US 6,464,545 B2

(45) Date of Patent:

Oct. 15, 2002

(54)	<b>ELECTRICAL DEVICE CONNECTION</b>
	TERMINAL

(75)	Inventor:	Keisuke	Yano,	<b>Kyoto</b>	(JP)
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(73) Assignee: OMRON Corporation, Kyoto (JP)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/107,326

(22) Filed: Mar. 28, 2002

(65) Prior Publication Data

US 2002/0142671 A1 Oct. 3, 2002

(30	))	Foreign	Ap	plication	<b>Priority</b>	Data

Mar. 30, 2001 (J		•	2001-100682	
(54) T . CI 7			*****	

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<sup>\*</sup> cited by examiner

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(57) ABSTRACT

The present invention provides an electrical device connection terminal capable of preventing improper insulation owing to lead wire chips being dropped and built up. To attain this feature, a side wall 26 for separating a lead wire holding portion 25 from a lead fitting 43 is projected on the bottom face fringe of the lead wire holding portion 25 so as to be adjacent to one side of the lead fitting 43.

#### 5 Claims, 25 Drawing Sheets

